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PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

518,429

(PCT Article 36 and Rule 70)

OR FURTHER ACTION	See Form PCT/IPEA/416	
ernational filing date (day/mon	th/year) Priority date (day/month/year)	
	19.06.2002	
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	ling this cover sheet.	
	a total of 9 sheets, as follows:	
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	ch this Authority considers contain an amendment that goes lication as filed, as indicated in item 4 of Box No. I and the	
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b (sent to the International Bureau only) a total of (Interest Sp, containing a sequence listing and/or tables related thereto, in computer, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the		
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ating to the following items:		
the report		
ablishment of opinion with rega	ard to novelty, inventive step and industrial applicability	
unity of invention		
a adaption and under Article 35(2	2) with regard to novelty, inventive step or industrial as supporting such statement	
documents cited		
defects in the international app	plication	
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	ernational filing date (day/mon) 8.06.2003 tional classification and IPC GO 6F 15/16 minary examination report, estal smitted to the applicant according to the International Bureau) scription, claims and/or drawing intaining rectifications authorized Instructions). The report applicant to the Supplemental strions. The report ablishment of opinion with regulations of invention and explanation documents cited defects in the international applications and explanation documents cited defects in the international applications on the international applications and explanation documents cited defects in the international applications and explanation documents cited defects in the international applications and explanation documents cited defects in the international applications and explanation documents cited defects in the international applications and explanation documents cited defects in the international applications and explanation documents cited defects in the international applications and explanation documents cited defects in the international applications and explanation documents cited defects in the international applications and explanation documents cited defects in the international applications and explanation documents cited defects are applications and ex	

Form PCT/IPEA/409 (cover sheet) (January 2004)

INTERNATIONAL PRELIMENARY REPORT ON PATENTABILITY

Internal	application No.
PCT/SE	2003/001030

Box	No. I	Basis of the report
1.	otherwi	egard to the language, this report is based on the international application in the language in which it was filed, unless ise indicated under this item.
		This report is based on a translation from the original language into the following language, which is the language of a translation furnished for the purposes of:
		international search (under Rules 12.3 and 23.1(b))
		publication of the international application (under Rule 12.4)
		international preliminary examination (under Rules 55.2 and/or 55.3)
2.	furnish	regard to the elements of the international application, this report is based on (replacement sheets which have been thed to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" re not annexed to this report):
		the international application as originally filed/furnished
	\boxtimes	the description:
		pages as originally filed/furnished
		pages* received by this Authority on
		pages* 1-7 received by this Authority on 13.08.2004
	\boxtimes	the claims: as originally filed/furnished
		pages
		pages hu this Authority on
		pages* received by this Authority on 13.08.2004
		hages ————————————————————————————————————
	\bowtie	the drawings: pages 1-2 as originally filed/furnished
		received by this Authority on
1		pages* received by this Authority on
		a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3.		The amendments have resulted in the cancellation of:
		the description, pages
		the claims, Nos.
		the drawings, sheets/figs
		the sequence listing (specify):
1		any table(s) related to the sequence listing (specify):
4	ı. 🔲	This report has been established as if (some of) the amendments annexed to this report and listed below had not be made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Ru
		70.2(c)).
		the description, pages
		the claims, Nos.
		the drawings, sheets/figs
ļ		the sequence listing (specify):
		any table(s) related to the sequence listing (specify):
		_
	* If it	tem 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIDS. ARY REPORT ON PATENTABILITY

Intona	l application No.
PCT7SE	2003/001030

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Noveity (N)	Claims Claims	1-4	YES NO
Inventive step (IS)	Claims Claims	1-4	YES NO
Industrial applicability (IA)	Claims Claims	1-4	YES NO

2. Citations and explanations (Rule 70.7)

Prior-art

In the International Search Report the following documents are cited:

D1: Al-Shaer E et al, "Application-layer group communication server for extending reliable multicast protocols services"
D2: Michael Smirnov et al, "Programmable Group Communication Services over IP Multicast"

D3: US 2002057663 A1

D4: Brian Neil Levine et al, "Improving Internet Multicast with Routing Labels"

D5: Kate Jenkins et al, "A Gossip Protocol for Subgroup Multicast"

Statement of reason

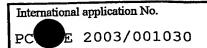
The claimed invention relates to an apparatus and method for conveying private information within an established IP-multicast group where the group involves more than two participants.

The amended claims filed with the letter of 13.08.2004 differ from the claims originally filed in that it is now clarified that the filtering means, associated with the receiving client, filter out data from the extension header.

Documents D1-D6 disclose different methods to convey information to sub-groups within an IP-multicast group, for example by means of filtering out address information from a protocol header in a network server.

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INTERNATIONAL PRELIMERY REPORT ON PATENTABILITY



Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of: V.

none of these documents disclose a method However, conveying data to a sub-group within a multicast group by filtering out address data in a header in the receiving clients, as defined in present claims 1, 3 and 4. The present claims, where the filtering is done in the receiving clients, present a more secure solution compared to the solution in, for example D1, where an intermediate server performs the filtering.

Further, it is not considered obvious to a person skilled in the art to change the method of any of the above mentioned documents so as to reach a method or apparatus as the one claimed in the present application.

The invention according to amended claims 1-4 is thus novel and is considered to involve an inventive step.

INTERNATIONAL PRELITARY REPORT ON PATENTABILITY

Internal application No.
PCT/SE 2003/001030

Patent No. (day/month/year) (day/month/y	date (valid claim) y/month/year) 12/1999
Patent No. (day/month/year) (day/month/y	y/month/year)
2. Non-written disclosures (Rule 70.9) Date of working of non-written disclosure Date of non-written disclosure Date of non-written disclosure	12/1999
Kind of non-written disclosure Date of non-written disclosure referring to no	
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